

Laboratory:Magnetism 2000-2004

著者	Institute for Materials Research, Tohoku University
journal or publication title	List of Publications 2000-2004
URL	http://hdl.handle.net/10097/56465

Goto, T; Kimura, S; Okubo, S; Ohta, H; Motokawa, M

Metamagnetic transitions of Lu₂Cu₂O₅ studied by submillimeter-wave ESR measurement

Appl. Magn. Reson. 18 (2000) 463 – 468

00-IMR0055

Ma, YW; Watanabe, K; Awaji, S; Motokawa, M

J(c) enhancement of YBa₂Cu₃O₇ films on polycrystalline silver substrates by metalorganic chemical vapor deposition in high magnetic fields

Appl. Phys. Lett. 77 (2000) 3633 – 3635

00-IMR0056

Sugiyama, A; Morisaki, S; Mogi, I; Aogaki, R

Application of cyclic magnetammetry to the analysis of electrochemical reaction in a high magnetic field

Electrochemistry 68 (2000) 771 – 778

00-IMR0057

Kaneko, T; Seto, T; Nanbu, T; Murase, S; Shimamoto, S; Awaji, S; Watanabe, K; Motokawa, M; Saito, T

Stability of Nb₃Sn wires with CuNb reinforcing stabilizer on cryocooled superconducting magnet

IEEE Trans. Appl. Supercond. 10 (2000) 1235 – 1238

00-IMR0058

Watanabe, K; Motokawa, M

Cryogenfree high field superconducting magnets

IEEE Trans. Appl. Supercond. 10 (2000) 489 – 494

00-IMR0059

Nojiri, H; Motokawa, M; Takahashi, K; Arai, M

30 T repeating pulsed field system for neutron diffraction

IEEE Trans. Appl. Supercond. 10 (2000) 534 – 537

00-IMR0060

Motokawa, M; Awaji, S; Miura, S; Hamai, M; Mogi, I; Watanabe, K

Construction of large scale bitter magnet and its application to crystal growth in levitating water

IEEE Trans. Appl. Supercond. 10 (2000) 905 – 908

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Kato, H; Nomura, T; Ishizone, M; Kubota, H; Miyazaki, T; Motokawa, M

Magnetic properties of c-axis oriented SmFe₁₂/alpha-Fe nanocomposite films

J. Appl. Phys. 87 (2000) 6125 – 6127

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Yanagiya, S; Sazaki, G; Durbin, SD; Miyashita, S; Nakajima, K; Komatsu, H; Watanabe, K; Motokawa, M

Effects of a magnetic field on the growth rate of tetragonal lysozyme crystals

J. Cryst. Growth 208 (2000) 645 – 650

00-IMR0049

Hamai, M; Mogi, I; Tagami, M; Awaji, S; Watanabe, K; Motokawa, M <i>Crystal growth of ammonium chloride in magnetic levitation conditions</i> J. Cryst. Growth 209 (2000) 1013 – 1017	00-IMR0063
Nojiri, H; Motokawa, M; Takeyama, S; Sato, T <i>Submillimeter wave ESR study of Cd_{1-x}MnxTe</i> J. Cryst. Growth 214 (2000) 424 – 427	00-IMR0064
Mashimo, T; Huang, X; Hirose, S; Makita, K; Kato, Y; Mitsudo, S; Motokawa, M <i>Magnetic properties of fully dense Sm₂Fe₁₇N_x magnets prepared by shock compression</i> J. Magn. Magn. Mater. 210 (2000) 109 – 120	00-IMR0065
Koyama, K; Yoshida, M; Nojiri, H; Sakon, T; Li, DX; Suzuki, T; Motokawa, M <i>Antiferromagnetic resonance and magnetic structure of GdAs</i> J. Phys. Soc. Jpn. 69 (2000) 1521 – 1525	00-IMR0068
Nojiri, H; Luther, S; Motokawa, M; Isobe, M; Ueda, Y <i>High frequency ESR investigation on dynamical charge disproportionation and spin gap excitation in NaV₂O₅</i> J. Phys. Soc. Jpn. 69 (2000) 2291 – 2298	00-IMR0069
Ajiro, Y; Asano, T; Inagaki, Y; Boucher, JP; Nojiri, H; Luther, S; Sakon, T; Motokawa, M <i>High-field, high-frequency ESR in the one-dimensional quantum spin systems</i> J. Phys. Soc. Jpn. 69 (2000) 297 – 302	00-IMR0066
Yoshida, M; Koyama, K; Sakon, T; Ochiai, A; Motokawa, M <i>Cyclotron resonance of LaSb</i> J. Phys. Soc. Jpn. 69 (2000) 3629 – 3632	00-IMR0070
Nojiri, H; Kageyama, H; Onizuka, K; Ueda, Y; Asano, T; Ajiro, Y; Motokawa, M <i>Submillimeter-wave ESR study on quantum spin systems</i> J. Phys. Soc. Jpn. 69 (2000) 83 – 88	00-IMR0067
Kitamura, N; Makihara, M; Hamai, M; Sato, T; Mogi, I; Awaji, S; Watanabe, K; Motokawa, M <i>Containerless melting of glass by magnetic levitation method</i> Jpn. J. Appl. Phys. Part 2 – Lett. 39 (2000) L324 – L326	00-IMR0071
Ma, YW; Watanabe, K; Awaji, S; Motokawa, M <i>New metalorganic chemical vapor deposition process in a high magnetic field for YBa₂Cu₃O₇</i> Jpn. J. Appl. Phys. Part 2 – Lett. 39 (2000) L726 – L729	00-IMR0072

Mogi, I; Watanabe, K; Motokawa, M

Magnetoelectropolymerization effects on hydrogen evolution from a polypyrrole electrode

Mater. Trans. JIM 41 (2000) 966 – 969

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Asano, T; Nojiri, H; Inagaki, Y; Boucher, JP; Sakon, T; Ajiro, Y; Motokawa, M

ESR investigation on the breather mode and the spinon-breather dynamical crossover in Cu benzoate

Phys. Rev. Lett. 84 (2000) 5880 – 5883

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Sakon, T; Sato, NK; Nakanishi, Y; Komatsubara, T; Motokawa, M

Temperature and field dependence of magnetization on UPd₂Al₃

Physica B 281 (2000) 240 – 241

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Tateiwa, N; Kimura, N; Sakon, T; Motokawa, M; Aoki, H; Komatsubara, T

Low-temperature physical properties of U₃Pd₂₀Si₆

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Sakon, T; Nakanishi, Y; Kubota, M; Suzuki, T; Motokawa, M

Magnetization measurements on CexLa_{1-x}Sb in static and pulsed magnetic fields

Physica B 281 (2000) 445 – 446

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Koyama, K; Yoshida, M; Nojiri, H; Sakon, T; Motokawa, M; Li, DX; Suzuki, T

Magnetic resonance of GdAs

Physica B 281 (2000) 456 – 457

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Noguchi, S; Okuda, K; Nojiri, H; Motokawa, M

Magnetic properties of Ce₃Ni₂Si₈

Physica B 281 (2000) 79 – 80

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Deguchi, H; Sumoto, S; Yamamoto, S; Takagi, S; Nojiri, H; Motokawa, M

Magnetic properties of a Heisenberg spin-ladder Cu-2(C₅H₁₂N₂)(₂)Br-4

Physica B 284 (2000) 1599 – 1600

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Hiroi, M; Sera, M; Nojiri, H; Kobayashi, N; Motokawa, M; Tanaka, H

Magnetic phase diagram of CsCuCl₃ studied by specific heat measurements

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High-field ESR in one-dimensional quantum spin systems

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Awaji, S; Watanabe, K; Motokawa, M; Wakuda, T; Okada, M

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Omiya, T; Matsukura, F; Dietl, T; Ohno, Y; Sakon, T; Motokawa, M; Ohno, H

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Watanabe, K; Motokawa, M

New concept of a semi-superconducting magnet

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Chen, WP; Watanabe, K; Motokawa, M; Maeda, H

Oriented crystal growth in Bi(Pb)2223 bulks prepared with magnetic melt processing

IEEE Trans. Appl. Supercond. 11 (2001) 2842 – 2845

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Kato, H; Ishizone, M; Miyazaki, T; Koyama, K; Nojiri, H; Motokawa, M

High-frequency ferromagnetic resonance in Nd₂Fe₁₄B/ α -Fe nanocomposite films

IEEE Trans. Magn. 37 (2001) 2567 – 2569

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Kanomata, T; Sasaki, T; Hoshi, T; Narita, T; Harada, T; Nishihara, H; Yoshida, T; Note, R; Koyama, K; Nojiri, H; Kaneko, T; Motokawa, M

Magnetic and electrical properties of Fe_{2+x}V_{1-x}Al

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Influence of a magnetic field on melt-growth process of YBa₂Cu₃O_x

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Mogi, I; Watanabe, K; Motokawa, M

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J. Electroanal. Chem. 507 (2001) 198 – 201

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Hori, T; Nishihara, R; Akimitsu, M; Ohoyama, K; Onodera, H; Yamaguchi, Y; Mitsudo, S; Motokawa, M

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J. Magn. Magn. Mater. 226 (2001) 1076 – 1078

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Nojiri, H; Kageyama, H; Ueda, Y; Motokawa, M

Magnetic excitations at magnetization plateaux: ESR study on SrCu₂(BO₃)₂

J. Magn. Magn. Mater. 226 (2001) 1101 – 1102

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Magnetic resonance of GdP
 J. Phys. Soc. Jpn. 70 (2001) 2774 – 2777
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Takazawa, A; Nojiri, H; Nagasaka, K; Hirota, K; Endoh, Y <i>Investigation of phonon anomaly in the orbital order state of $La_{1-x}Sr_xMnO_3$ (x similar to $1/8$)</i> J. Phys. Soc. Jpn. 70 (2001) 902 – 910	01-IMR0058
Ma, YW; Watanabe, K; Awaji, S; Motokawa, M <i>Evaporation of silver during chemical vapor deposition process for $YBa_2Cu_3O_7$ and its effect on microstructure</i> Jpn. J. Appl. Phys. Part 1 – Regul. 40 (2001) 6339 – 6343 Pap. Short Notes Rev. Pap.	01-IMR0063
Hamai, M; Mogi, I; Awaji, S; Watanabe, K; Motokawa, M <i>Alignment and orientation of diamagnetic materials under magnetic levitation condition</i> Jpn. J. Appl. Phys. Part 2 – Lett. 40 (2001) L1336 – L1339	01-IMR0065
Awaji, S; Watanabe, K; Motokawa, M; Kuramochi, A; Fukase, T; Kimura, K <i>E-J characteristics and distribution of local $J(c)$ for melt-textured grown bulk $YBa_2Cu_3O_7$ under high magnetic fields</i> Jpn. J. Appl. Phys. Part 2 – Lett. 40 (2001) L330 – L333	01-IMR0064
Nakanishi, Y; Takuo, S; Motokawa, M; Matsumura, T; Nemoto, Y; Hazama, H; Goto, T; Suzuki, T <i>$4f$ instability and elastic properties in the metal system TmS in high magnetic fields</i> Phys. Rev. B 64 (2001) Art. No. 184434 –	01-IMR0066
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Nojiri, H; Asano, T; Ajiro, Y; Kageyama, H; Ueda, Y; Motokawa, M <i>High-field ESR on quantum spin systems</i> Physica B 294 (2001) 14 – 19	01-IMR0069
Hori, H; Teranishi, T; Sasaki, T; Miyake, M; Yamamoto, Y; Yamada, S; Nojiri, H; Motokawa, M <i>Pulsed high magnetic field ESR measurement on Ni/Pd nano-particles</i> Physica B 294 (2001) 292 – 297	01-IMR0070
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Sakon, T; Namiki, T; Motokawa, M

A new precise magnetization measurement method at ultra-low temperature and high magnetic fields

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Physica B 312 (2002) 864 – 866

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